

BRAND: EarthCEM™ Slag Cement
Grade: 120
Type: ASTM C989-18a
Report Date: February 2023

SOURCE LOCATION:
 WALAN SCP, LLC
 501 Christina Avenue
 Wilmington, DE 19801
 855.438.7524

CHEMICAL & PHYSICAL REQUIREMENTS	TEST RESULT	SPECIFICATION
Sulfur Trioxide (SO ₃), %	1.76	4.0 Max
Sulfur Sulfide (S), %	0.71	2.5 Max
Blaine Surface Area, m ² /kg	600	—
Fineness Retained on 325 Mesh Sieve (45 micron), %	0.20	20 Max
Air Content %	6.70	12 Max
Total Alkalies % (Na ₂ O + 0.658 K ₂ O)	0.38	—
Density	2.87	—
SLAG ACTIVITY INDEX		
7 Day: Individual, %	101.00	—
7 Day: Average of last 5, %	101.4	—
28 Day: Individual, %	135.00	110 Min
28 Day: Average of last 5, %	131.2	115 Min
COMPRESSIVE STRENGTH		
7 Day - Reference Cement, PSI	4410	—
28 Day - Reference Cement, PSI	5491	5000
7 Day - 50% Slag + 50% Reference Cement, PSI	4459	—
28 Day - 50% Slag + 50% Reference Cement, PSI	7435	—
TEST DATA ON REFERENCE CEMENT		
Total Alkalies % (Na ₂ O + 0.658 K ₂ O)	0.79	0.60 - 0.90
C3S %	52.80	—
C2S %	21.60	—
C3A %	4.82	—
C4AF %	10.92	—
Blaine Surface Area, m ² /kg	370	260 Min

NOTE: Dashes in the specification column means "Not Applicable."



Certified by: *Jason Murtha*
 Jason Murtha
 WALAN SCP Operations Mgr.